## 2018 CERTIFICATION JUN 27 PM 2: 52

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Jackson, MS 39215

Fax: (601) 576 - 7800

\*\*Not a preferred method due to poor clarity\*\*

CCR Deadline to MSDH & Customers by July 1, 2019!

## 2018 Annual Drinking Water Quality Report Crooked Creek Water Association PWS#: 390007 & 390008 June 2019

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Miocene Series Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Crooked Creek Water Association have received a

If you have any questions about this report or concerning your water utility, please contact Bobby Selman at 601.455.0334. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Monday of each month at 5:00 PM at 404 B Main Ave., New Hebron, MS.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2018. In cases where monitoring wasn't required in 2018, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, and the surface of the surface of surface and surface and the surface of surface and surfac radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000. Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Contaminant	#: 390007	LEST RESULTS								
	Y/N	Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination		
Inorganic	Contam	inants								
10. Barium	N	2015*	0004							
		2015	.0084	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natura		
17. Lead	N	2015/17*	0	0	der		deposits			
19. Nitrate (as	N	2018	20	- <u>-</u>	ppb 0 AL=15		Corrosion of household plumbing systems, erosion of natural deposits			
Nitrogen)			.32	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural		
Disinfection	on By-pr	oducts						deposits		
Chlorine			1	27 121						
	1 2	18 1.2	1.0	07 – 1.31 mg	g/l	0 MDR	L = 4 Wa	ater additive used to control microbes		

PWS ID #: 390008				TEST RESULTS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL		MCLG	MCL	Likely Source of Contamination

10. Barium	N	minants 2015	.0279	No Dans					
		2013	.0279	ING RANGE	photo:	2	2	Discharge of drilling wantes; discharge	
14: Eapper	N	2015/17	10					TRANSPORT INTEREST INCOME THE PROPERTY OF THE	
CARCO CASTANTANTAN	14	2015/1/	10	8	PARAMA	1.3	41-10	perposits	
17. Lead	N					1.9	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood	
IV. Lead		2015/17*	0	0		-		preservatives	
19. Nitrate (as	s N	2012	1		bbp	0	AL=15	Corrosion of household plumbing	
Vitrogen)	'	2018	.34	No Range	ppm	10		systems, erosion of natural deposits	
Disinfectio	n Bv-P	Products			ppiii	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	
hlorine	209	Toducts							

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system #390007 is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within of 0.6-1.2 ppm was 9. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 100%.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system #390008 is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within of 0.6-1.2 ppm was 9. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Crooked Creek Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Additional Information for Leaduse serious health problems, especially for pregnant women and young narily from materials and components associated with service lines and rarily from materials and components associated with service lines and to have the service lines and service in plumbing components. When your valer has been sitting for lead exposure by flushing your valer has been sitting for for lead exposure by flushing your tap for 30 seconds to 2 minutes in drinking water, testing methods, and steps you can take to minimize in drinking water, testing methods, and steps you can take to minimize in drinking water, testing methods, and steps you can take to minimize.

halomethanes in excess of the MCL over many years may experience problems ystems, and may have an increased risk of getting cance.

ontaining fluoride in excess of the MCL over many years could get bones. Children may get mottled teeth, ter containing lead in excess of the action level could experience delays in an expension span and learning abilities. Adults in could show slight deficits in attention span and learning abilities. Adults it evelop kidney problems or high blood pressure.

at some people who drink water containing copper in excess of the action and experience gastrointestinal distress. Some people who drink water over many years could suffer liver or kidney damage. People with Wilson's

naining barium in excess of the MCL over many years could experience an

tive and may emit a form of radiation known as alpha radiation. Some in excess of the MCL over many years may have an increased risk of

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In this table you will I terms we've provided

Non-Delcets (ND) - la

Parts per million (ppn: single penny in \$10,00

Parts per billion (ppb) penny in \$10,000,000.

Picocuries per liter (pC

Action Level - the concession must follow.

Treatment Technique () drinking water.

Maximum Contaminant drinking water. MCLs at

Maximum Contaminant | is no known or expected |

## THE STATE OF MISSISSIPPI LAWRENCE COUNTY

Personally came to me, the undersigned, authority in and for LAWRENCE COUNTY. Mississippi the CLERK of the LAWRENCE COUNTY PRESS, a newspaper published in the City of Monticello, Lawrence County, in said state, who, being duly sworn, deposes and says that the LAWRENCE COUNTY PRESS is a newspaper as defined and prescribed in Senate Bill No. 203 enacted in the regular session of the Mississippi Legislature of 1948, amended Section 1858, of the Mississippi Code of 1942, and that the publication of a notice, of which the annexed is a true copy appeared in the issues of said newspaper as follows:

annexed is a true copy appeared in the issues o
said newspaper as follows:
DATE: 1100 19 2019
DATE:
DATE:
DATE:
DATE:
Published times
(Signed)
Olephanie Steph (Clerk of the Lawrence County Press)
SWORN TO and subscribed before me, this

County

for the

f Mississippi.